



Success Factors For Livestock

Practices Now Have Proven Their Value

By P. E. JOHNSON

(Continued from Agriculture, June 11, 1942)

Here are some 36 "success" factors by means of which farmers can gear up their livestock production for wartime needs.

All the practices have proved their worth in farm account records kept by farmers in co-operation with this college.

BREEDING:

(1) Flush at breeding time. (2) Reduce feed of sows at weaning time and (3) use proper breeding stock and select individuals (mark litter and select from best and sort gits from feeding herd before they get too fat for proper use).

FEEDING:

(1) Feed proper ration to sows during gestation period. (2) Provide plenty of pasture. (3) Put sows and pigs on self-feeder. (4) Feed balanced ration to pigs and (5) provide plenty of fresh water.

Most Important:

SANITIZATION: (Eighteen of 24 farmers interviewed stated that sanitation was most important factor of all.) (1) Clean houses, (2) clean sows and (3) clean pastures.

MARKETING: (1) Sell spring and fall pigs when prices are normally highest (August, September and March/April) and (2) deviate from normal if the outlook shows clearly that an abnormal situation prevails at the time.

TIMELINESS: To conserve labor and to increase the production of pork, (1) breed sows to farrow at desired time, (2) have equipment ready and guard against rapid changes in temperature, (3) castrate before pigs are four weeks of age, (4) vaccinate at five to six weeks, (5) wean at eight weeks and (6) finish at six months of age, the usual time period.

Farm Hazards

Strangely, agriculture is the most hazardous American industry, with the farm home contributing largely to this amazing total.

Here are some safety suggestions:

Sharp-edged tools are kept away from play places.

Stairways with more than three steps be equipped with hand-rails.

Free use of both hands and not be sacrificed because of heavy load to carry.

And stairways be kept clear of toys, tools, and boxes. The annual cost of farm and rural fires is \$200,000,000. Then, too, besides this property damage, 3,500 lives are lost in these fires.

To combat this menace:

Every open fireplace be equipped with a screen.

Kettles, pails, and tubs of hot liquids be kept off the floor.

House dry cleaning be done outdoors.

Matches be kept away from children.

And saucapane handles be kept away from the edges of stoves and tables.

Cuts, bruises, and infections should never be regarded as minor, as people have died as a result of a scratch becoming infected.

Lamb Fattening Tests

In an effort to help shepherds find ways to fatten lambs by adding protein to rations, the Cornell university agricultural experiment station tested seven "protein supplements" on lambs. Each lamb received, in addition to the particular protein-rich feed tested, a standard ration of shelled corn, corn silage, ground limestone and salt.

The lambs fed linseed meal in the ration had better appetites than did those fed the other supplements, which included soybean oil meal, whole soybeans, corn gluten meal, distillers' corn dried grain, brewers' dried grains, and urea.

Averaging the two experiments, the feeding value was slightly the highest for whole soybeans, followed by soybean oil meal, corn gluten meal, and linseed meal.

Wheat Poultry Ration

Bushel for bushel, wheat is the cheapest ingredient in the poultry ration today and more and more poultrymen are feeding wheat.

The reason wheat is so cheap at the present time is that the U. S. department of agriculture is putting about 100 million bushels of wheat on the market. This was done to help livestock, dairy, and poultry producers use this wheat for feed and attain Food for Freedom production goals.

Japs Now Control Orient's Rice Crop

Chief Staple Food For More Than Half of Mankind.

WASHINGTON.—Japan's control in Burma, Thailand and French Indo-China has revealed that other Oriental countries depended for much of their food on these countries, the only exporters of rice.

About 85 per cent of the world's rice grows in Asia, says the National Geographic society. China produces the greatest amount, but not enough for its own needs.

Rangoon, Burma's capital, was the world's leading rice port. It built the largest rice elevators in the world, annually shipping some three million tons.

Rice and Curry.

French Indo-China in 1939 exported 1,602,000 tons of rice. The country normally produced some six million tons, but of this less than a million tons is available as export surplus. At Bangkok some 60 rice mills face the river front. The rich territory recently ceded by French Indo-China to Thailand includes part of Asia's finest rice paddies.

Chinese rice production is estimated at more than 15,000,000 tons. The Philippines relied on outside sources.

Japan obtains most of its imported rice from Formosa and Korea, where the yield per acre is high. In Japan rice is the leading food.

Link 5 Deaths in Paris

TO FAULTY STOVE FUMES.

BERNE, SWITZERLAND.—Five persons were reported dead in Paris from carbon monoxide poisoning caused by faulty fumes. At least a score of others were being treated in hospitals, but their condition would be saved, it was stated.

Ever since winter set in the heat problem has been acute in the occupied capital. Central heating was not authorized and what little coal was available for households was carefully husbanded. Fires were being lit in many an stove with faulty draft, frequently with serious consequences, it was explained.

Firm Has 369,549 Tires, Can't Get 4 for Trucks

CHICHESTER, MASS.—The United States Rubber company has 369,549 brand-new tires in its warehouses.

Lucky, you say—but wait. A month ago the company applied for permission to use four of the tires on one of its trucks.

A rationing inspector looked at the old ones.

"They can be retreaded," was his edict.

They were.

Later, a second request came for two new tires.

Again went the order—"Get them retreaded."

Lone Russian on Guard At Northern Tip of Front

KUIBYSHCHEV, RUSSIA.—The last red army man on Russia's right flank in Nikolai Khitrov, an infantryman who stands watch in the Arctic night on the northern coast of the Rybachy Peninsula, covering the approaches to Petsamo. He was stationed on the edge of a cliff and was wearing a loose-draped white cloak when he was seen recently by a Pravda correspondent.

The extreme southern point of the front is in Crimea. Seventeen hundred and fifty miles of war front lie between the watchers there and Infantryman Khitrov.

Russians Find Palace of Tamerlane's Grandson

KUIBYSHCHEV.—Soviet archeologists curving on their explorations despite the war were reported to have discovered the palace of Tamerlane's grandson, Ugl Bek, at the foot of a mountain near Samarkand.

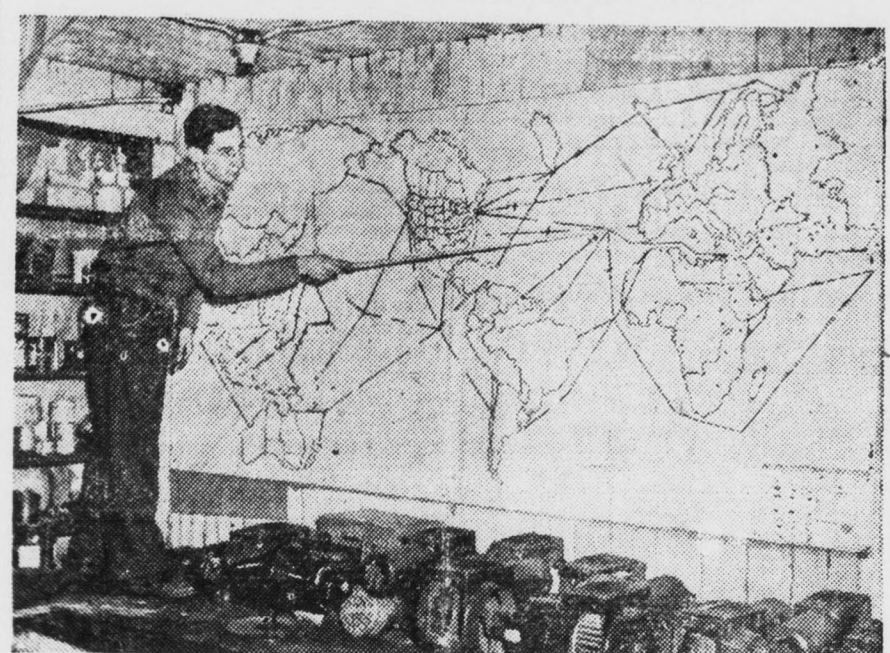
Tamerlane—son, as he is more popularly known, Timur I Leng—is the famous Oriental conqueror of the fourteenth century.

Ugl Bek's palace is known as "the porcelain house" because of its Chinese ceramic decoration. It was announced it would be excavated by an expedition headed by Prof. M. D. Masson.

Machines Will Plant Kansas Shelterbelts

MANHATTAN, KAN.—A fleet of 16 tree-planting machines will be used in planting shelterbelts in Kansas this spring, according to Russell Reitz, state director of the program sponsored by the department of agriculture. It is estimated that over 500 miles of new shelterbelts will be planted on the state's farms this year.

The War on a Wholesale Scale



Joseph Citro is shown following the course of the war with the aid of a nine-foot map. He wrote to a cousin in Iceland for information, and an alert censor informed military intelligence. When the army recognized his ability to read maps they recommended him for the signal corps.

JOIN THE ATTACK ON TOKYO, . . . YOURSELF!

Every person in America may not fly over Tokyo, but every one's dollars can help produce the bombing planes that do!

You, you, you, can join the attacks on Tokyo by saving at least 10% of your pay in War Bonds—by joining your company's pay-roll savings plan today or going to your local bank or post office and buying War Savings Bonds—at least 10% of your pay—every day.

Remember you can start buying War Bonds by buying War Stamps for as little as 10c and that you get a \$25 War Bond (maturity value) for only \$18.75.

U. S. Treasury Department

SPOT YOUR PLANE

By Mathieu

PROTEST THAT A B-24 BULLET! WITHOUT A FIELD GLASS IT IS LIKE LUNGING THREE FEET—AND WITH YOUR GLASSES, THE BIG ONE BELOW.

THE VULTURE VANGUARD

A HAWK-FLYING FIGHTER DEVELOPED 1000 HORSEPOWER AT 14,000 FEET. IT'S SPEED IS 400 MILES PER HOUR.

FRANK M. HAWKS—FOR 10 YEARS THE WORLD'S FASTEST FLYER. IN 1930 HE FLEW IN A PLANE-TOWED SLIDER FROM CALIFORNIA TO NEW YORK, HOLDING PRACTICALLY ALL AMERICAN SPEED RECORDS. IN 1931 HE WENT TO EUROPE AND BROKE MORE RECORDS. HE LIST: ON A ONE IN 100 HE FLEW FROM NEW YORK TO LOS ANGELES IN 40 HOURS. WHILE REVOLVING HIMSELF TO THE PRODUCTION OF SMALL, LOW-COST PLANE THAT WOULD BE SAFE IN THE AIR, HE LOST HIS LIFE WHEN HIS PLANE CRASHED IN FLAMES.

WITH UNCLE SAM

ARMORED FORCE

CANQUILA'S INTRICANT IN TANK WARFARE.—THE TANKS MUST BE CONCEALED UNTIL TROOPS ARE READY FOR THEM.

STOCKS show some upturn.

Steel production is setting new record.

FARMERS . . . Make every market-day BOND DAY!

For our fighting men, for our country's future and for freedom we must meet and beat our country War Bond quota and keep on doing it.

Pick up your War Bonds and Stamps on your second stop in town . . . right after you've sold your eggs, milk, poultry, stock or grain. No investment is too small and no investment is too large . . . the important thing is to buy every time you sell!

U. S. Treasury Department

2way help for WOMEN

POPULAR FOR 61 YEARS!

U. S. Department of Agriculture

Farm Topics

High Egg Production While Prices Are Good

Suggestions Given for Improved Pullet Flocks

By H. H. ALP

(Continued from Agriculture, June 11, 1942)

In times of good prices one is not likely to think in terms of losing money, certainly not so much as when prices are low. There is a great deal more at stake, however, when prices are high, or favorable to the producer. If low egg production ensues then, the loss is actually

greater than it would be if egg production were low during a period of poor prices.

For good egg production at this season of the year, the pullet flock should have:

1. A poultry house which provides four square feet of floor space for each bird.

2. Some form of insulation in the house.

3. A good ration in small feeders, which are freshly filled every day, or at least every other day.

4. Two water containers in a room approximately 20 by 20 feet.

5. A ration featuring some form of milk, whole oats, a good grade of alfalfa, and a vitamin-D oil.

6. A supplemental feeding of moist mash once a day. If necessary, this practice is not essential for all flocks, but in the case of flocks "going stale" or losing weight, and for late, immature pullets.

7. Lights if necessary. Lights might be used in the same situations in which moist mash feeding is suitable. A successful practice has been to use two 10-watt lamps all night in a room 20 by 20 feet.

8. Fresh litter to keep up the spirit of the flock and for the maintenance of health.

9. Regular attention; irregularity of care have with egg production.

10. The benefit of some good common sense. It is not bought in bottles and bags.

AGRICULTURE INDUSTRY

Pest Moss

By FLORENCE WOOD

(This is one of a series of articles showing how farm products are finding a market in the home.)

Pest moss, you might call them, those farmers who are lucky enough to find a bed of pest located on their land. Domestic pest is needed now to supplement the reduced supply being imported from Europe.

Most of the beds in this country are located in northern states: Maine, New Hampshire, Wisconsin, Minnesota, Ohio and northern Washington.

Moss, sedge and reed peat are considered safe as a fertilizer for gardens and golf course greens. Other kinds which have an acid reaction and are not chemically adapted to combination with soil are found in peat bogs and in swamps. Peat dust is found to be an effective deodorizer for manure. It is used in the making of surgical dressings. It has been used in the making of paper.

Peat mining is not a difficult job. The peat is first ripped up from the earth, shredded in a machine, pressed, then cleaned and sacked. For some uses, the peat is pulverized to powder. All of these are farm operations that can be done by one man.

Agricultural Notes

Wet mash has been used from the beginning of the poultry industry to encourage the birds to eat more, and to increase or maintain production.

The U. S. department of agriculture has recommended to war emergency officials that increased amounts of dairy equipment be made available to farmers in 1942.

Farm Topics

Sick Soils Have Effect on Animals

Earth Should Be 'Factories,' Not Mines

By DR. WILLIAM A. ALBRECHT

(Continued from Agriculture, June 11, 1942)

That sick soils will not build healthy animals any more than they will produce sturdy field crops is a significant view of our national tendency to combat soil erosion by allowing much of the fertility-depleted soil to go back to grass.

In place of giving our soil fertility measures that feed growing plants, we have too often adopted the practice of "crop burning" in the mistaken belief that when one crop will thrive on the same depleted land, but we can't breed crops or starve them any more than sterile parent can transmit the character of sterility.

Evidence of declining soil fertility are seen in the greater number of deficiency diseases among our farm animals. Veterinarians are constantly faced with increasing cases of strange ailments which have no specific body weakness or visible physiological cause can be found. Eyes, aliment, a tendency to blindness, bald tails, rounded hocks, and other defects, are feeding problems, and even death and death can be traced to deficiency in animals' nutrition.

If fewer legumes or non-legumes grow more successfully on less fertile land, then such crops must be taking less nutrient from the soil. Thus these crops can offer the animals that feed on them less of protein and of ash which, for animals, is the same as for plants, are the items drawn from the soil.

Animals Limited in Feeding.

Confined as they are, animals are limited in their feeding by the soil fertility of the farm. Supplements such as proteins contain too little of the minerals needed. And when animals protest by rutting up the very earth or climbing the fence in search of better forage, such actions are met by rings in the nose or cumbersome yokes about the neck. Human sense has been prohibited in this country for about 75 years, but animals have to be seen on any trip to the feed store. The effect of the "going stale" or losing weight, and for late, immature pullets.

Our soils must become factories instead of mines. The fertility of the soil is unendingly drawn. Raw materials such as lime, phosphorus, potash, and other fertilizing elements, organic matter and other plant nutrients must go back into the soil. In our "soil factories" we must produce more usable nutrients for plant and animal use. These nutrients must not be hauled off unless equal amounts are replaced.

Consumption of Fats, Oils

Recently the United States consumed approximately 65 billion pounds of fats and oils in edible products; two billion in soaps, one billion in paints, varnishes, printing inks and linoleum floor oils, and 0.5 billion was used for a variety of industrial purposes.

Cutting Costs

The department of agriculture is strongly urging partnership in use and purchase of equipment.

Two Floyd county, Texas, farmers have been showing their neighbors the value of this kind of joint action. These Farm Security administration borrowers first bought a tractor outfit and the operating expenses proved to them the advantages of partnership.

Their second enterprise was buying a new-bred Jersey bull, which cost \$150. Then they bought a seven-foot power-take-off mower, a feed mill, and a corn planter, and a ground-driven row

The two farmers say that the machinery they joined in buying proved their crops last year. They figure that what they did as a common sense plan will have to be done by others from sheer necessity.

Urea for Growing Lambs

Farmers were told of tests in the laboratories of a university's division of animal nutrition which the performance of growing lambs was compared with that of lambs fed diets containing such protein sources as soybean oil meal, casein, skim milk and corn gluten feed. With rations of a 12 per cent level, 50 per cent of the nitrogen as urea is as satisfactory a source of nitrogen as commonly used protein concentrates.

Oakville Items

By Letter

Oakville, June 16.—Private Wilson Adams, of Fort Eustis, and Raymond Adams, of Roanoke, visited the parents, Mr. and Mrs. Clarence Adams last week-end.

Mr. and Mrs. Harry Lucado and children spent Sunday with the latter's parents, Mr. and Mrs. Donald Hamilton.

Mr. and Mrs. Percy Page and children, of Lynchburg spent last Sunday with Mr. and Mrs. Tom Page.

Mrs. Page has been sick for the last few days.

R. E. Smith and C. S. Adams went to Fort Eustis, Va., Saturday.

E. B. Martin, who was carried to the Virginia Baptist Hospital for treatment last Friday, is about the same at this writing.

Andrew Bergman spent several days last week with Barbara Smith.

Mrs. W. C. Bass spent Saturday night with Mrs. L. L. Doss.

Miss Ruby Martin is visiting her sister, Mrs. Burnett Smith in Lynchburg this week.

Barbara Smith and Andrew Bergman left Monday morning for the week's camping trip at Tonawanda Lake.

A large number of relatives and friends from this community attended the birthday celebration Sunday, given by Mrs. H. R. Moore in honor of her father, Mr. T. H. Martin, who is eighty-seven years old.

Some of the children from here are attending the Vacation Bible School at Trinity Methodist church this week.

Miss Fay Stratton is visiting friends in Tampa, Florida.

Mr. and Mrs. Hugh Bradford, of Natural Bridge, visited the latter's parents, Mr. and Mrs. J. E. Burnett last Sunday.

Mr. and Mrs. Henry Beard, of Appomattox, were Sunday guests of Mr. and Mrs. E. L. Chick.

Miss Martha Thornhill spent Sunday with Miss Margaret Stratton.

Miss Rachel Chick was the Sunday guest of Mrs. Elizabeth Lee Carter.

Minute Make-Ups

By Gabrielle

Full story of Coral Sea and Midway Island battle now being told.

Thirteen merchant ships lost last week.

Scrap rubber campaign asked by President Roosevelt.

Some Congressmen say sales tax only way to finance war program.

Government urges farmers to develop fall gardens.

New York Yankees have a big lead in American league.

Hale American golf tournament held this week in Chicago.

Joe Overman playing golf last night at Lynchburg Seawards.

The small town is having a boom due to difficulty of getting to the larger trade centers.

Appomattox needs boosters.

Lodge Bookends—WNU Service

Stonewall News

By Reporter

Stonewall, June 15.—Mrs. B. W. Hamilton is a patient at the Virginia Baptist Hospital, Lynchburg, where she underwent an operation last Saturday.

Mrs. W. A. Irving and children have gone to Louisville, Kentucky, where they will spend some time with her parents.

Mrs. Lula Morgan, of Roanoke, is visiting her son and daughter-in-law, Mr. and Mrs. C. D. Carson.

Mrs. George Cheatham and daughter, Nancy Pat, and Miss Elva have returned after spending the winter in Appomattox.

Mrs. J. H. Beard has returned to her home here after receiving treatment in a Lynchburg hospital.

Miss Shirley Harding and Royal have returned after spending the winter in Lynchburg.

Joe Burnett, of the U. S. Navy, spent a part of last week here with his parents, Mr. and Mrs. Rufus Burnett.

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